SEQUENCE LISTING

(1) GENERAL INFORMATION:

    (i) APPLICANT:     Grabstein, Kenneth
                          Paxton, Raymond
                          Pettit, Dean

    (ii) TITLE OF INVENTION: Antagonists of IL-15

    (iii) NUMBER OF SEQUENCES: 10

    (iv) CORRESPONDENCE ADDRESS:
        (A) ADDRESSEE: Immunex Corporation
        (B) STREET: 51 University Street
        (C) CITY: Seattle
        (D) STATE: Washington
        (E) COUNTRY: USA
        (F) ZIP: 98101

    (v) COMPUTER READABLE FORM:
        (A) MEDIUM TYPE: Floppy disk
        (B) COMPUTER: IBM PC Compatible
        (C) OPERATING SYSTEM: Word for Windows 95, 7.0
        (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

    (vi) CURRENT APPLICATION DATA:
        (A) APPLICATION NUMBER:
        (B) FILING DATE:
        (C) CLASSIFICATION:

    (viii) ATTORNEY/AGENT INFORMATION:
        (A) NAME: Malaska, Stephen L.
        (B) REGISTRATION NUMBER: 32,655
        (C) REFERENCE/DOCKET NUMBER: 2831

    (ix) TELECOMMUNICATION INFORMATION:
        (A) TELEPHONE: 206-587-0430

(2) INFORMATION FOR SEQ ID NO:1:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 489 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: cDNA

    (iii) HYPOTHETICAL: NO

    (iv) ANTI-SENSE: NO

    (ix) FEATURE:
        (A) NAME/KEY: CDS
        (B) LOCATION: 1..342

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

```
ATG AGA ATT TCG AAA CCA CAT TTG AGA AGT ATT TCC ATC CAG TGC TAC      48
Met Arg Ile Ser Lys Pro His Leu Arg Ser Ile Ser Ile Gln Cys Tyr
1               5                   10                  15

CTG TGT TTA CTT CTA AAG AGT CAT TTT CTA ACT GAA GCT GGC ATT CAT      96
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                                            ●
Leu Cys Leu Leu Leu Ly● ●er His Phe Leu Thr Glu Ala G● ●le His
            20                25                   30

GTC TTC ATT TTG GGC TGT TTC AGT GCA GGG CTC CCT AAA ACA GAA GCC      144
Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala
            35                40                   45

AAC TGG GTG AAT GTA ATA AGT GAT TTG AAA AAA ATT GAA GAT CTT ATT      192
Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
        50                55                   60

CAA TCT ATG CAT ATT GAT GCT ACT TTA TAT ACA GAA AGT GAT GTT CAC      240
Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
65        Ser       70                75                   80

CCC AGT TGC AAG GTA ACA GCA ATG AAG TGC TTT CTC TTG GAG TTG CAA      288
Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
                    85                90                   95

GTT ATT TCA CAT GAG TCC GGA GAT ACA GAT ATT CAT GAT ACA GTA GAA      336
Val Ile Ser His Glu Ser Gly Asp Thr Asp Ile His Asp Thr Val Glu
            100                105                  110

AAT CTT ATC ATC CTA GCA AAC AAC ATC TTG TCT TCT AAT GGG AAT ATA      384
Asn Leu Ile Ile Leu Ala Asn Asn Ile Leu Ser Ser Asn Gly Asn Ile
            115                120                  125

ACA GAA TCT GGA TGC AAA GAA TGT GAG GAA CTA GAG GAA AAA AAT ATT      432
Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
    130                135                  140

AAA GAA TTT TTG CAG AGT TTT GTA CAT ATT GTC CAA ATG TTC ATC AAC      480
Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn
145                150                  155                  160

                                                                     489
ACT TCT TGA
Thr Ser


    (2) INFORMATION FOR SEQ ID NO:2:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 489 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (ii) MOLECULE TYPE: cDNA


        (ix) FEATURE:
            (A) NAME/KEY: CDS
            (B) LOCATION: 1..489


        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

    ATG AGA ATT TCG AAA CCA CAT TTG AGA AGT ATT TCC ATC CAG TGC TAC    48
    Met Arg Ile Ser Lys Pro His Leu Arg Ser Ile Ser Ile Gln Cys Tyr
    1           5                10                   15

    TTG TGT TTA CTT CTA AAC AGT CAT TTT CTA ACT GAA GCT GGC ATT CAT    96
    Leu Cys Leu Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His
            20                25                   30

    GTC TTC ATT TTG GGC TGT TTC AGT GCA GGG CTT CCT AAA ACA GAA GCC    144
    Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala
            35                40                   45
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AAC TGG GTG AAT GTA ATA AGT GAT TTG AAA AAA ATT GAA GAT CTT ATT          192
Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
        50               55                    60

CAA TCT ATG CAT ATT GAT GCT ACT TTA TAT ACG GAA AGT GAT GTT CAC          240
Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
 65              70               75                    80

CCC AGT TGC AAA GTA ACA GCA ATG AAG TGC TTT CTC TTG GAG TTA CAA          288
Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
            85               90                    95

GTT ATT TCA CTT GAG TCC GGA GAT GCA AGT ATT CAT GAT ACA GTA GAA          336
Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
            100              105                   110

AAT CTG ATC ATC CTA GCA AAC AAC AGT TTG TCT TCT AAT GGG AAT GTA          384
Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
            115              120                   125

ACA GAA TCT GGA TGC AAA GAA TGT GAG GAA CTG GAG GAA AAA AAT ATT          432
Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
        130              135                   140

AAA GAA TTT TTG CAG AGT TTT GTA CAT ATT GTC CAA ATG TTC ATC AAC          480
Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn
145              150              155                   160

ACT TCT TGA                                                              489
Thr Ser
```

(2) INFORMATION FOR SEQ ID NO:3:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 27 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: cDNA

    (iii) HYPOTHETICAL: NO


    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

AATGTAATAA GTTGTTTGAA AAAAATT                                            27


(2) INFORMATION FOR SEQ ID NO:4:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 27 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: cDNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

AATGTAATAA GTTCTTTGAA AAAAATT                                            27


(2) INFORMATION FOR SEQ ID NO:5:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 24 base pairs

(B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: cDNA

    (iii) HYPOTHETICAL: NO

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GTTGATGAAC ATGCAGACAA TATG                                                    24


(2) INFORMATION FOR SEQ ID NO:6:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 24 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (ii) MOLECULE TYPE: cDNA

        (iii) HYPOTHETICAL: NO

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GTTGATGAAC ATAGAGACAA TATG                                                    24


(2) INFORMATION FOR SEQ ID NO:7:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 39 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (ii) MOLECULE TYPE: cDNA

        (iii) HYPOTHETICAL: NO

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

GTCCTCGCAA CTAAGTCGAC TAACTGGGTG AATGTAATA                                    39


(2) INFORMATION FOR SEQ ID NO:8:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 45 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (ii) MOLECULE TYPE: cDNA

        (iii) HYPOTHETICAL: NO

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

GAGTCATTCT CGACTTGCGG CCGCACCAGA AGTGTTGATG AACAT                             45


(2) INFORMATION FOR SEQ ID NO:9:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 69 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

   (ii) MOLECULE TYPE: cDNA

   (iii) HYPOTHETICAL: NO

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

AATATGGTAC CTTTGGATAA AAGAGACTAC AAGGACGACG ATGACAAGAA          50

CTGGGTGAAT GTAATAAGT                                            69


(2) INFORMATION FOR SEQ ID NO:10:

       (i) SEQUENCE CHARACTERISTICS:
           (A) LENGTH: 36 base pairs
           (B) TYPE: nucleic acid
           (C) STRANDEDNESS: single
           (D) TOPOLOGY: linear

       (ii) MOLECULE TYPE: cDNA

       (iii) HYPOTHETICAL: NO

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

GCGATATATC CATGGTCAAG AAGTGTTGAT GAACAT                         36